81116

Z/017/60/049/011/011/013 E073/E535

Influence of the Ambient Atmosphere on the Surface Conductivity of Silicon

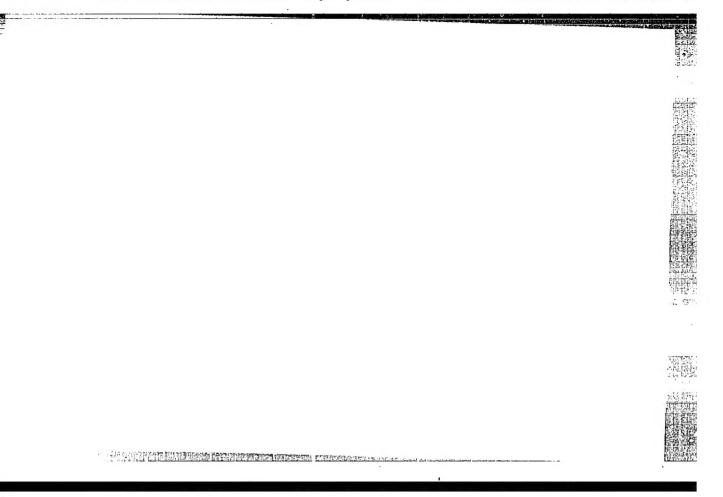
it is stated that the type of conductivity can be determined in certain cases by means of the oxygen atmosphere. The conductivity increases monotonously with increasing oxygen content in the atmosphere in the case of type p junctions and decreases monotonously with increasing oxygen in the atmosphere in the case of type n junctions. Increase in the humidity brings about a monotonous increase in the surface conductivity for type n junctions, whilst for type p junctions it brings about a drop at first until a certain minimum is reached and from then onwards the surface conductivity increases. p-type junctions are more stable with respect to humidity than n-type n-p-n transistors from p-silicon with a specific junctions. resistance of $10\,\Omega$ cm are practically stable with respect to humidity. There are 6 figures and 4 references: 2 Czech, 1 Soviet and 1 English.

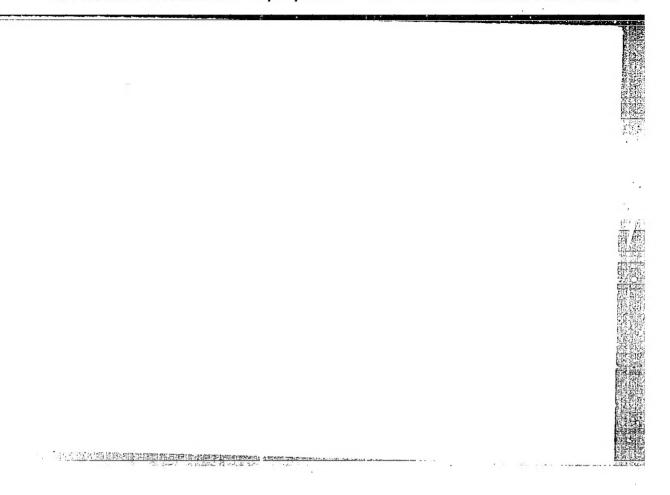
ASSOCIATION: Státni výzkumný ústav silnoproudé elektrotechniky

(Electrical Engineering State Research Institute)

SUBMITTED: July 20, 1960

Card 3/3





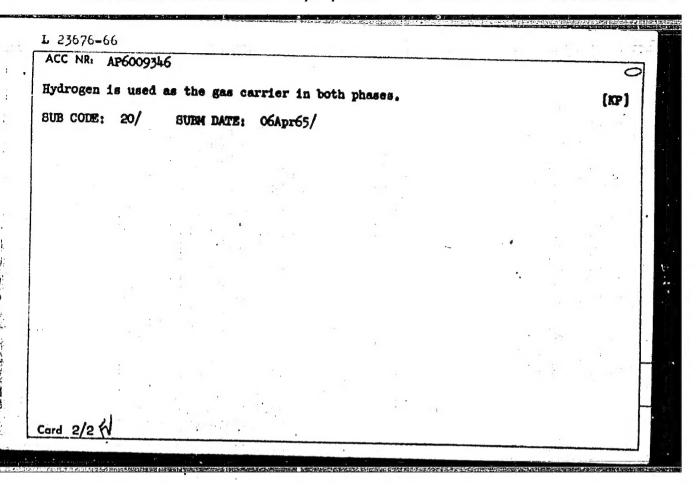
HUSA, Vaclav, inz. dr., kandidat technickych ved; KRIZ, Josef; LADNAR, Josef; LUXA, Frantisek

Contribution to the technology of the silicon Mesa power transistor. El tech obzor 52 no.10:538-540 0 '63.

1. Statni vyzkumny ustav silnoproude elektrotechniky.

Card 1/2

String-cy Ty Salit, Sandin L 270/0-00 ACC NR: AP6009346 cz/0078/65/000/011/0013/0013 SOURCE CODE: AUTHOR: Husa, Vaclay (Engineering, Doctor of Sciences, Pecky); Kriz, Josef; Ladner, Josef (Prague); Luxa, Frantisek (Horni Pocernice) ORG: none TITLE: Manufacture of p-type diffusion silicon element. Pat. No. PV 1792-63 SOURCE: Vynalezy, no. 11, 1965, 13 TOPIC TAGS: silicon element, collector emitter, gallium compound, hole conduction ABSTRACT: An Author Certificate has been issued for a method of manufacture of a p-type diffusion silicon element by a two-phase difussion process. The element base consists of two different conductivity layers where the layer of lower conductivity is adjacent to the region of the collector, while the layer of higher conductivity is close to the region of the emitter. The p-type conductivity region is created by a two-phase diffusion process, with constant temperature of the preheated silicon plate during each phase. The first diffusion phase takes place 1200-13500 for a period of 15 min to 5 hr. Callium oxide heated to 750 -- 2000 is used as the doping compound in an amount capable of evaporating in one quarter of the given time. After the completion of the first phase, the plate temperature is lowered to 900 --1250C at which temperature the second phase diffusion takes place in a period of 15 min to 2 hr, again with gallium oxide as the doping compound heated to 800 -- 12000



ACC NR: AP6035301 (A) SOURCE CODE: CZ/0078/66/000/009/0019/0020

AUTHOR: Novotny, Vladimir (Engineer; Tabor); Husa, Vaclav (Doctor; Engineer; Doctor of sciences; Pecky); Kriz, Josef (Prague); Bydzovsky, Jan (Engineer; Zasmukh); Ladnar, Josef (Prague); Luxa, Frantisek (Horni Pocernice)

ORG: none

TITLE: Ignition equipment for jet and turbojet engines. CZ Pat. No. PV 1920-55

SOURCE: Vynalezy, no. 9, 1966, 19-20

TOPIC TAGS: power plant component, fuel igniter, engine ignition system, jet engine, jet engine component, turboprop engine, turboprop engine component, spark plug, low voltage spark plug

ABSTRACT: Ignition equipment, especially for use with aircraft jet and turboprop engines, is introduced. It has a low-voltage spark plug and is fed by d-c supply. The secondary winding of the induction coil is connected through the rectifier to the capacitor. The sparking circuit is connected in parallel to the capacitor and connected in series with the low-voltage spark plug. One end of the primary winding of the induction coil is connected to the first pole of the d-c supply. The other end

Card 1/2

is connected to the outlet of the common collector for the composite two-step transistor and the outlet of the emitter of the output transistor which is connected to the other pole of the d-c supply and another resistor which is connected through the other pole of the d-c supply. [KS]

SUB CODE: 21/SUBM DATE: 24Mar65/

ACC NA 12.1.19347 $\langle A \rangle$ Philad Coll: College Horn 4 4-43/0013 INVENTOR: These, Vactav (Doctor of spice as, telepe, Magister; 1... Jaloslav (Engineer; Prague); Černý, Ladislav (G. Mincer; Sadska); E. Ladnar, Josef (Prague); Luxa, Francisck (Born Podernice) Joe! and CRG: none TITLE: A two phase comiconductor element CZ Pan. No. PV 3496-03, 1 100 21g MOUROE: Vysulesy, no. 11, 1965, 13 TOPIC TAGS: semiconductor theory, semiconductor research, phase accommittee, ABSTRACT: A two-phase semiconductor element built up on semiconductor but a plate. with a collector with first and second base formed as a layer into the religionductor base place along its entire surface on one side, with a first and new talefactor formed as a second layer into the first layer. The contact of the panel have is at the same time the contact of the first emitter, with feed connector, . the collector, the first base, and, if applicable, to the second base and second colder. The first emitter is shaped in the form of a strip and the second emitter in the form of a comb. The relative position of the two emitters is such that the state forming the first emitter is equidistant from all the ends of the comb forming to rescend emitter. On the first layer there is formed a contact of the first base in the along of a strip and also a contact of the second base in the form of a comb. On the comb forming the

ACC NA: AP6009347

second emitter there is formed a contact in the shape of a comb and the parts of the comb engage mutually. The relative position of the contacts is such that the strip forming the contact of the first base is equidistant from the yoke of the comb forming the contact of the second base. The relative position of the strip forming the first emitter and the contact of the second base is such that the yoke of emitter along the part of the strip forming the first emitter.

SUB CODE: 20 / SUBM DATE: 070ct63

Card 2/2

KRI2, Josef

On the reduction of management and office personnel in heavy engineering enterprises. Podn org 18 no.12:537-539

1. Ministry of Heavy Engineering, Prague.

KRIZ, K., dr. inz.

Extinction of the primary source of potato wart disease in Slovakia. Rost vyroba 10 no. 4:467-468 Ap *64.

KRIZ, Kamil, Prim. Dr. (Machod c.1489)

Motivation of the treatment of neural diseases with vital stains. Lek. listy, Brno 9 no.17:396-398 1 Sept 54.

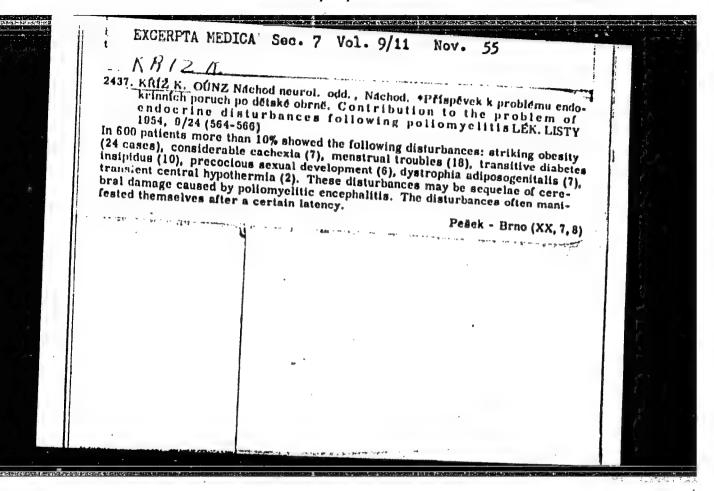
1. OUNZ Hachod, neurologicke oddeleni, vedouci prim. Dr Kamil Krim.

(STAIHS AND STAINING,

vital stains, ther. of nervous system dis.)

(HERYOUS SYSTEM, diseases,

ther., vital stains)



KRIZ, Kamil, primar MUDr

Importance of electroretinographic examination in thrombosis of the internal carotid artery. Gesk.ofth. 11 no.4-5:307-311 1955.

1. Z neurologickeho oddeleni nemocnice v Machode
(ARTERIES, CAROTID, diseases
thrombosis of internal, diag., electroretinography)
(AMOIOGRAPHY
electroretinography in diag. of thrombosis of internal
carotid artery)

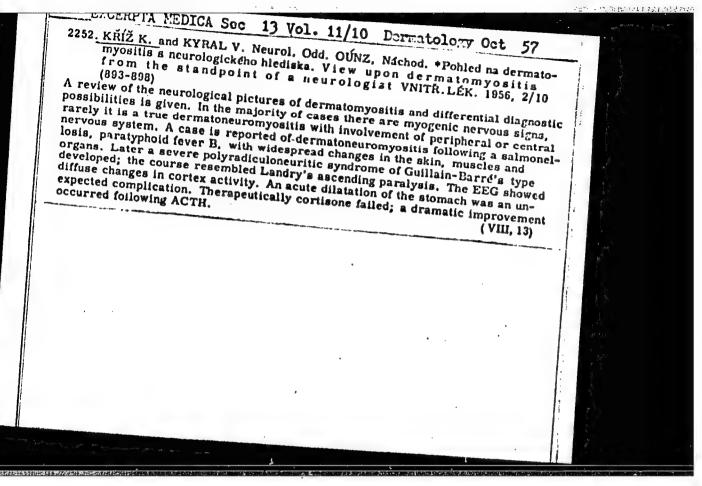
KRIZ, Kamil, MUDr

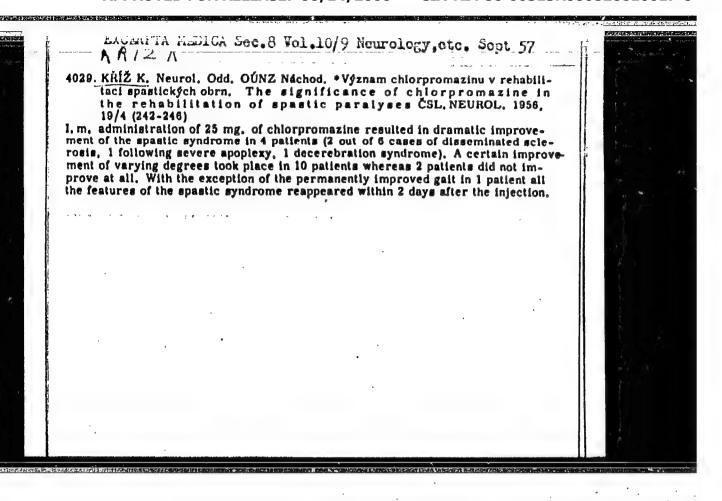
Puerperal thrombosis of intracranial sinuses and cerebral veins. Cesk.gyn. 20 no.2:118-121 Mar 55.

1. Z neur. cdd. CUNZ Hachod, prednosta: MUDr Kamil Kriz.

(CHRHERAL EMBOLISH AND THROMBOSIS,
sinus thrombosis, puerperal)

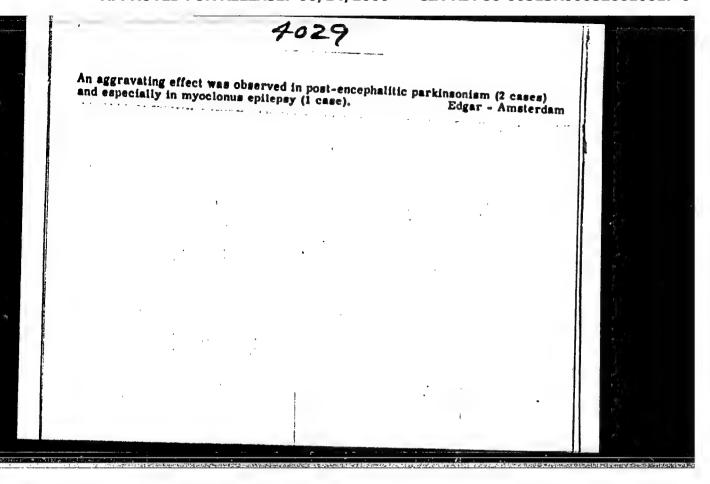
(PUERPERIUM, complications,
thrombosis of intracranial sinuses & cerebral veins)





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CIA-RDP86-00513R000826610017-0



KRIZ, Kamil, MUDr.

Progressive ischemic necrosis of the anterior pituitary after childbirth (Sheehan's syndrome) in a woman with congenital hypofibrinogenemia. Cesk. gyn. 21 no.5:348-350 Sept 56.

1. Neurol. odd. OUNZ Nachod, prednosta MUDr. Kamil Kris.

(FIBRINOGEN, deficiency
hypofibrinogenemia, congen., causing Sheehan's synd. (Cs))

(HEMORRHAGIC DIATHESIS, in pregnancy
(Same)

(PITUITARY GLAND, ANTERIOR, diseases
Sheehan's synd., caused by congen. hypofibrinogenemia (Cs))

(PREGNANCY, complications
hypofibrinogenemia, congen., causing Sheehan's synd. (Cs))

KRIZ, Kamil, MUDr.

Activation of acute disseminated lupus erythematosus by pregnancy. Cesk. gyn. 21 no.5:418-419 Nov 56.

1. Neurologicke oddeleni OUNZ v Nachode. Prednosta primar Dr. K. Kris.

(LUPUS ERYTHEMATOSUS, DISSEMINATED, in pregn. activation (Cz))
(PREGNANCY, compl. disseminated lupus erythematosus (Cz))

KRIZ, Kamil, Dr.; MYKLICKK, Otakar, Dr.

Treatment of eclampsia with neuroplegics. Cesk. gyn. 21-35 no.2:119-122 Mar 56.

1. Z porodnidko-gynekologickeho odd. OUNE v Machode. (Prednosta: prim. Dr. O. Myklicek) Z neurologickeho odd. OUNE v Machode. (Prednosta: prim. Dr. E. Kris).

(ECLAMPSIA, ther.

chlorpromazine, promethazine & reserpine.

(CHLORPHOMAZINE, ther. use

eclampsia, with promethasine & reserpine

(ANTIHISTAMINICS, ther, use

promethasine in eclampsia, with chlorpromasine

& reserpine.

(PHENOTHIAZINE, deriv.

samo

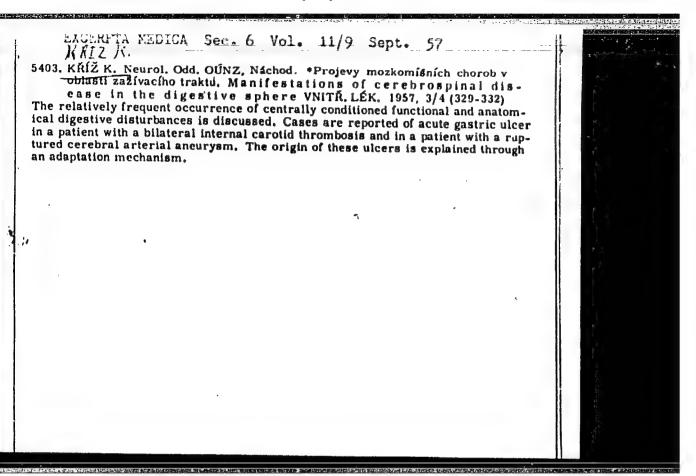
(RAUWULFIA ALKALOIDS, ther. use

reserpine, in eclaspsia, with promethasine & reserpine.

Comments on the symptomatology and diagnosis of epidural hematoma. Roshl. chir. 35 no.11:697-701 Oct 56. 1. Z neurologickeho oddeleni OUMZ Machod, primar MUDr. Kamil Kriz. (CENEBRAL HEMORRHAGE, compl. epidural hematoma, diag. & symptomatol. (Cz))

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826610017-0



KRIZ, Kamil

Agenesis of corpus callosum with malformation of cerebral hemisphere. Cesk. rentg. 11 no.4:217-222 Dec 57.

1. Neurologicke oddeleni OUNE v Nachode, primar Kamil Kriz.

(BRAIN, abnorm.

agenesis of corpus callosum with abnorm, right lateral

ventricle, x-ray diag. (Cs))

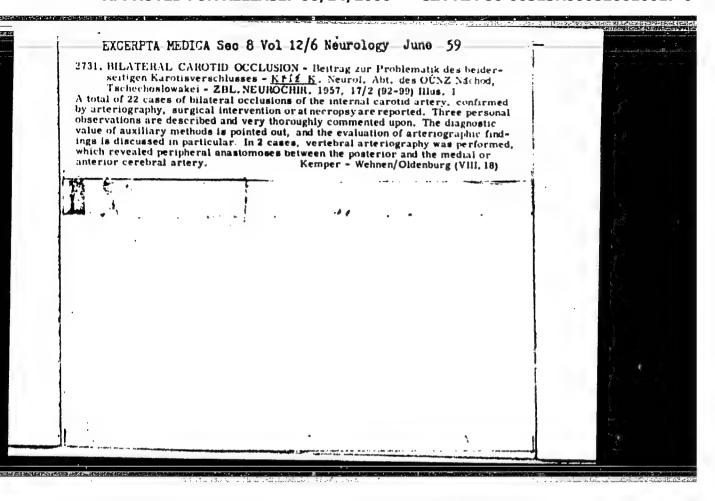
(CEREBRAL VENTRICIES, abnorm.

right lateral ventricle with agenesis of corpus callosum,

x-ray diag. (Cz))

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CIA-RDP86-00513R000826610017-0



Country : CZECHOSLOVAKIA Catogory: Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi
Abs. Jour.: Ref Zhur-Biol, No 23, 1958, No 105800

Author : Kriz, K.; Derner, A. Institut. : =

Title : Experience in the Treatment of Tetanus in

Horses with Chlorpromazine

Orig Pub. : Veterinarstvi, 1958, 8, No 5, 171-174

Abstract : No abstract.

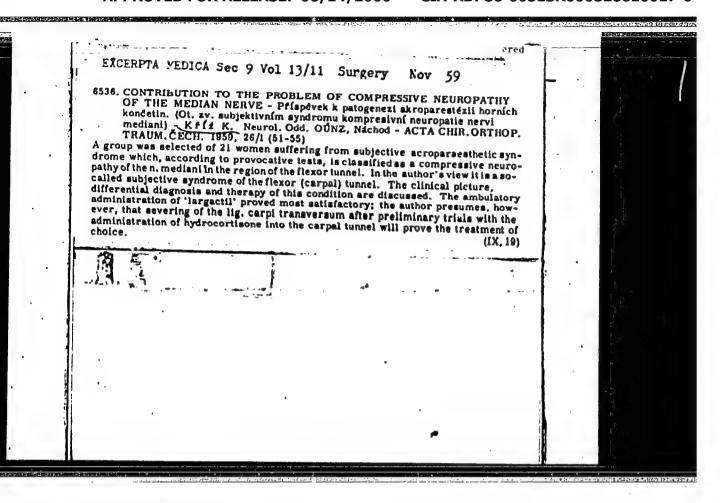
Card: 1/1

Acrtic arch syndrome. Cas. lek. cesk. 97 no.4:97-100 24 Jan 58, l. Meurologicke oddeleni CUME Machod, predmosta Dr. Kamil Kris. Adres autora: K. K., Machod, CUME. (AOHTA, dis. acrtic arch synd. (CE)) (AHTERIES same)

KRIZ, K.

On the problem of the appearance of mystagmus in intraspinal expansive lesions. Cesk.otolar. 8 no.6: D 159.

1. Weurologicke oddeleni OUNZ v Nachode, prednosta MUDr. Kamil Kris. (SPINAL COMD dis.)
(NYSTACHUS etiol.)



```
Cough and loss of consciousness. Cas. lek. cesk. 98 no.14:426-430
3 Apr 59.

1. Neurologicka oddeleni OUME v Machode, prednosta prim. MUDr. K.
Kriz.

(SYNCOPE
tussive syncope (Cz))
(COUGH
eame)
```

PEKNAN, Y. [Pehan, J.]; Krshtzh. K. [Křiž, K.] [Chekhoslovakiya)

Diagnosis, otiology, pathogonesis and therapy of carpal tunnol syndrome. Zhur.nevr.i psikh 40 no.81982-985 '60. (MINA 13:9)

(MEDIAN HERVE. DISEASES)

KRIZ, K.

Treatment of acroparesthesia of the upper extremities by injections of hydrocortisone into the carpal canal. Cas.lek.cesk 100 no.29/30: 947-954 14 Jl 161.

1. Neurologicke oddeleni OUNZ Nachod, prednosta prim. MUDr. Kamil Kris.

(PARESTHESIA ther) (ARM dis) (HIDROCORTISONE ther)

KRIZ, K.

Epilepsy caused by reading. Cas.lek.cesk 100 no. 42:1323-1329 20 0 161.

1. Neurologicke oddeleni OUNZ v Machode, prednosta prim. dr. K. Kriz.

(EPILEPSY etiol) (READING)

KRIZ, Kamil

Phlebographic picture of a pericranial sinus. Cesk. rentgenol. 16 no.41291-294 Ag '62.

1. Neurologicke oddeleni OUNZ v Nachode, prednosta dr. K. Kriz.

(CEREBRAL ANGIOGRAPHY) (SCALP neoplasms)

(HEMANGIOMA radiography) (CRANIAL SINUSES radiography)

CZECHOSLOVAKIA

K. KRIZ, Head, Neurology Division, Ckres National Health Institute (OUNZ) Okresni Ustav Narodniho Zdravij Neurologicke oddeleni), Nachod.

"Multiple Sclerosis Beginning with Hypertrichosis."

Frague, Ceskoslevenska Neurologic, Vol 25(58), No 6, Nov 1962; pp 421-424.

Abstract [English summary modified]: In 2 women aged 24 and 32, generalized bypertrichosis preceded by 2 and 6 months respectively, the appearance of disneminated sclerosis. Process ascribed to androgen-estrogen imbalance due to demyelinating process having started in hypothalamic region. Two case reports; 6 Pastern and 3 Czech references.

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CZECHOSLOVAKIA

K. KRIZ, Head (prednosta) Neurologic Department (Neurologicke oddeleni)
OUNZ [Okresni ustav narodniho zdravi = Okres Institute of Public
Health)], Nachod.

"Paroxysmal Headache from Strain."

Prague, Casopis Lekaru Ceskych, Vol 102, No 6, 8 Feb 63; op 137-142.

Abstract [English summary modified]: Report on 14 patients; in all, severe headache was brought about by cough, muscular strain and any other activity increasing the thoracic pressure. Comprehensive discussion of possible cardiovascular mechanisms, role of irritability of intracranial pain sensors. ACTH infusion helps. Four Czech and 11 Western references.

LURRIGL, Teodor, dr.; KRIZ, Lujo, prim. dr.

Spondylodiscitis in the course of ankylosing spondylitis. Reumatizam 12 no.5:173-180 '65.

1. Zavod za reumatske bolesti "Dr. Dora Filipovic", Zagreb.

KRIS, Milan

New filtration method: List/ cukrovar 80 no.11.301-304 N *64.

1. Zavody Vitezneho unora National Enterprise, Hradec Eralove.

KRIZ, Milan

Work procedures with power saws in forestry. Pracovni lek.12 no.10:523-526 D 160.

1. Vyskumny ustav lesniho hospodarstvi a myslivosti.
(OCCUPATIONS AND PROFESSIONS)

ZELENY, A.; KOZAK, J.; MAINEROVA, J.; KRIZ, M,; NOVOTNY, V.; SUCHY, R.; STOLARIK, R.

Complex research on forestry work with power saws. Conclusions for practical considerations. Acta univ. carol. [Med] Suppl. 15:211-217 161.

1. Fysiologicky ustav lek. fak. University Karlovy se sidlem v Plzni, Odd. chorob z povolani KUNZ v Plzni, Vyzkumny ustav lesniho hospodarstvi vo Zbraslavi, Ustav bezpecnosti praco ROH v Praze a Krajska sprava lesu v Plzni.

(INDUSTRIAL MEDICINE)

ZELENY, A.; KOZAK, J.; KRIZ, Milan

Calorimetry during the work with power saws. Pracovni lek. 14 no.5: 218-221 Je 62.

1. Fyziologicky ustav lekarske fakulty Karlovy university v Pizni, prednosta doc. dr. A. Zeleny, Vyzkumny ustav lesniho hospodarstvi a myslivosti na Zbraslavi, reditel inz. J. Sobotka.

(METABOLISM) (EXERTION)

H-

KRIZ M

CZECHOSLOVAKIA/Fitting Out of Laboratories .- Instruments.

Their Theory, Construction, and Use.

Abs Jour

: Ref Zhur - Khimiya, No 3, 1957, 8682

Author

: Kriz, M.

Inst Title : Experiments with a New Type Viscometer Designed for the

Measurement of High Viscosities.

Orig Pub

: Sklar a keramik, 1955, 5, No 11, 259-261.

Abstract

: A viscometer, test method, and formula for the determination of the viscosity of glass at 500-6500 are described. The method is based on the measurement of the elongation of a wire prepared from the glass tube tested. The wire, with a 2.5-500 gms weight attached to one end, is suspended in the furnace. The elongation of the wire is measured with a microscope from the displacement of the heat resistant alloy weight suspended from the wire. The temperature of the wire is measured by a thermocouple which

Card 1/2

CIA-RDP86-00513R000826610017-0"

APPROVED FOR RELEASE: 06/14/2000

CZECHOSLOVAKIA/Fitting Out Of Laboratories - Instruments. Their Theory - Construction, and Use.

H-

Abs Jour

: Ref Zhur - Khimiya, No 3, 1957, 8682

which is in contact with the wire. The measurements are made over a range of

107-10¹⁰ poises.

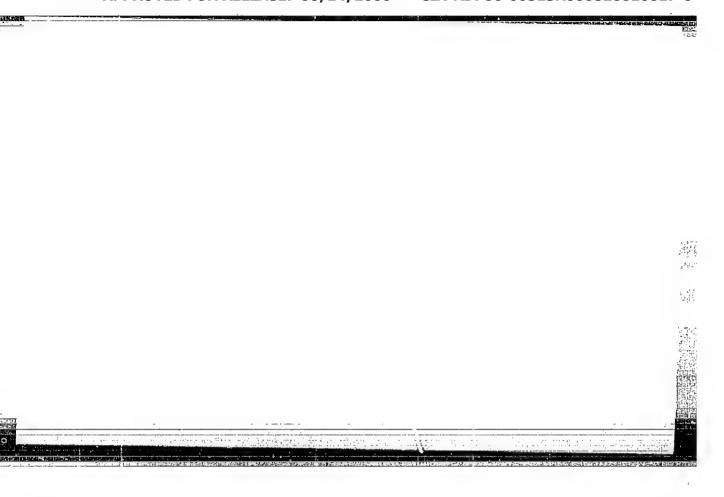
Card 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826610017-0

KRIZ, M.

Criticism of present analytic methods in the glass industry. p. 63. SKLAR A KERANIE, Prague, Vol. 6, no. 3, Mar. 1956.

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 5, No. 6 June 1956, Uncl.



KRIZ, M.

KRIZ, M. Analysis of container glass. p. 198
-ti- New forms of ornamental objects. p. 199

Vol. 6, no. 8, Aug. 1956 SKIAR A KERAMIK TECHNOLOGY Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

KRIZ, M.

"Application of photothermometry to study the shaping of glass."

p. 372 (Silikaty) Vol. 1, no. 4, 1957 Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4. April 1958

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826610017-0

NT JOR' BS. JOUR.	: RZKhim., No. 1959. Po. 87320
DOETU	: Krivanck, J.; Kriz, K.
45T.	•
ITLU	Dotermination of Mean Specific Heat Value of Some Czechoslovak Glasses Used to Manufacture Containers.
	: Silikaty, 1999, 3, No 2, 110-119
and of the values Cm : The thus de are given showakin to compared W Ginther. D	method, for measuring themean specific heat of melten glass at high temperature (up to 1250°) of melten glass at high temperature (up to 1250°) of melten glass at high temperature, the contained of glass used in Czecho-communicature containers. These results are ith the values calculated according to sharp and ifferences between the actual and the calculated ifferences between the actual and the calculated are discussed, and also the irregular nature of C _m as a function of temperature. From authors' surmary.
CARD:	

KRIZ, M.

Shaping the glass mass. p. 291.

SYLAR A KERAMIK. (Ministerstvo lehkeho prumsylu) Praha, Czechoslovakia, Vol. 9, no. 10, Oct, 1959.

Monthly List of East European Accessions (EGAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

KRIZ, Mojmir; KADERAVEK, Jiri

New information on packing glass coloring. Silikaty 7 no.3: 215-230 '63.

1. Vyzkumne pracoviste narodniho podniku Obalove a lisovane

POSPISIL, Vsevolod; KRIZ, Mojmir;

Protection of beer from the harmful effect of sunlight by bottle color. Kvasny prum 9 no.10:229-232 0 163.

1. Pokusne a vyvohove strekisko, Vyzkumny ustav pivovarsky a sladarsky, Praha - Branik (for Pospisil).

2. Vyzkumne pracoviste, Obalove a lisovane sklo, n.p., Dubi

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826610017-0

CLAVINKA, O., KRIZ, O.

Read flores of anamines. Pt.11. Coll Ca Game 30 no.5:1990-1704 My 105.

1. Department of Organic Chemistry of the Institute of Chemisal Rechnology, Prague. Submitted August 18, 1962.

KRIZ, Pavel, dr.

Use of adhesives in spot welding of aluminum alloys. Zvaranie 12 no.7:197-198 Jl 163.

l. Vyzkumny ustav svarovacich stroju a technologie svarovani, Praha.

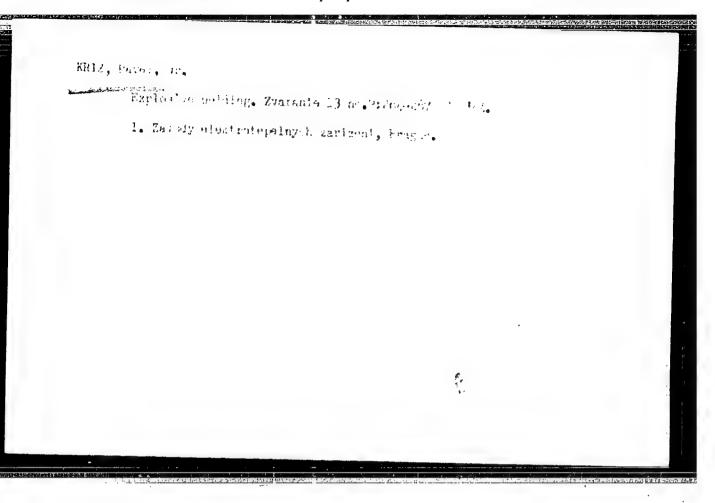
KRIZ, Pavel, dr.

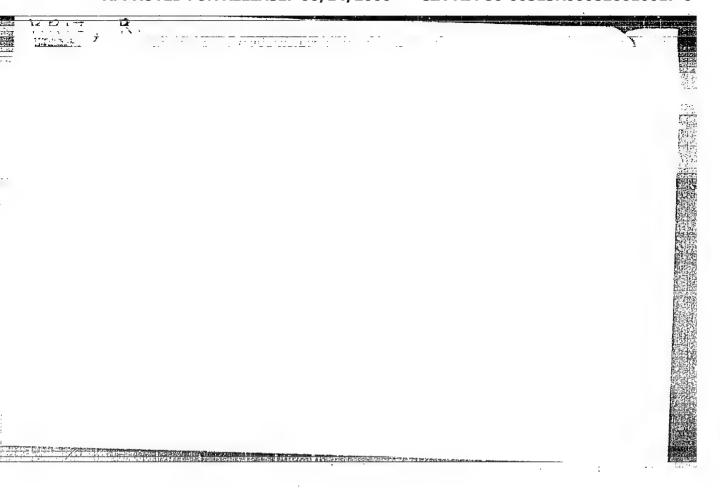
Outline of the development and present state of vapor shielded welding. Zvaranie 12 no.9:260-264 8:63.

l. Vyzkumny ustav svarovacích stroju a technologie svarovaní, Praha.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826610017-0





KRIZ, R.

Therapeutic results with placental extracts. Cesk.ofth. 7 no.2: 105-109 1951. (CIML 20:7)

1. Of the Eye Clinic of the Modical Faculty of Charles University Branch in Pilson (Head-Prof. Rudolf Knobloch, M.D.).

KRIZ, Robert, MUDr

Unusual x-ray pictures in pneumonia and bronchopneumonia in convalescents. Pediat. listy, Praha 9 no.5:269-271 Sept-Oct 54.

1. Detske oddeleni Thomayerovy nemocnice, Praha-Krc (PNEUMONIA, radiography

X-ray pictures, unusual in healing state)
(ERONCHOPNEUMONIA, radiography

X-ray pictures, unusual in healing state)

Two rare cases of hollow ansurysms of the ascending aorta. Cesk, rentg.

11 no.4:256-261 Dec 57.

1. Ustav pro vyskum vysidu lidu v Prase-Krci, reditel doc. J. Masek a oddeleni ustr. rentgemu Thomayerove nemocnice v Prase-Krci.

(AORTIS ANSURISMS; case reports

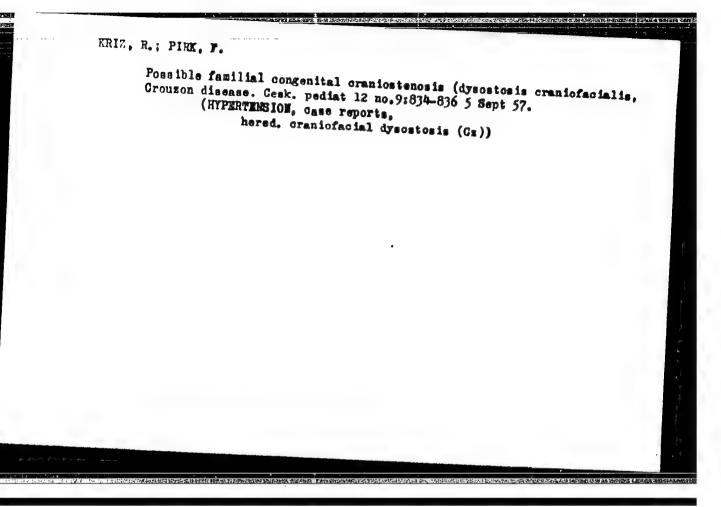
hollow angurysma of ascending aorta, rare cases (Cs))

KRIZ, Robert, MUDr.

Tomography in excretion urography in child. Cesk. pediat. 12 no.8: 731-732 5 Aug 57.

1. Detake interni oddeleni Thomayerovy nemocnice v Prase-Krci, prednosta prim. Dr. Kratkova.

(URINARY TRACT, radiography topography in excretion urography in child (Cz))



"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826610017-0

A new approach to the limb-darkening problem of the stars RW
Tauri. Biul eatr Gz 16 no.2:118-122 '65.

1. Astronomical Institute of the Czechoslovak Academy of Sciences,
Ondrejov. Submitted March 31, 1964.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826610017-0

KRIZ, V.

A contribution to the phenology of certain forest trees. p. 95.

BRIVO Vysoka skolo zemedelska a lesnicka. SBORNIK RADA C: SPISY FAKULTY LESNICKE.

No. 3/4 1954.

SOURCE: East European Accessions List (EEAL) Library of Congress. Vol. 5, No. 1, January. 1950.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826610017-0

Country CZECHOSLOVAKIA

Category Forestry. Forest Cultures.

K

Abs Jour

RzhBiol., No 6, 1959, No 24742

Author Inst

Kriz, V.; Chlebek, M.; Pekar, H.

Title

Glandular Allanthus from Seed-Growing and

Forest-Culture Point of View.

Orig Pub

Lesn. prace, 1957, 36, No. 3, 116-118

Abstract

Experiments on the preservation and sowing of ailanthus seeds in Czechoslovakia indicated that the highest germination is attained at the vernal sowing of stratified (84 days) seeds. The preservation of the seeds in wintertime in small bags in a cool place produces no positive results. Good results were obtained by the autumns, sowing of the sceds immediately after the harvest. - M. K. Bush

Card

: 1/1

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Temperature regime of rivers. p. 326.

VODNI HOSPODARSTVI. Praha, Czechoslovakia. No. 8, August 1959.

Monthly List of East European Accessions (EFAI) LC, Vol. 8, No. 11, November 1959.

Uncl.

KRIZ, V.

"Hydrologic evaluation of the flood in the Ostravice-River basin, June 29, 1956." p. 136.

VODOHOSPODARSKY CASOPIS. (Slovenska akademia vied). Bratislava, Czechoslovakia, Vol. 7, No. 2, 1959.

Monthly list of East European Accessions (EFAI), LC, Vol. 8, No. 8, August 1959. Uncla.

Z/031/60/000/009/002/002 A205/A026

AUTHOR:

Kříž, V./ Engineer

TITLE:

Welding of Low-Carbon Steels in Protective Carbon Dioxide Atmos-

phere

PERIODICAL: Strojirenská výroba, 1960, No. 9, pp. 442 - 444

TEXT: This is a description of methods and tools tested in the CSR for arc welding of low-carbon steels in protective CO₂ atmosphere. Short arcs and high current densities are essential for this welding method. The length of the arc is controlled by the d-c source; however, the control is rather difficult, especially when sources have steep characteristics. Best results were achieved with "S 500 A" selenium rectifiers produced by the "CKD" Plant in Modrany (Photo 1). Automatic tools for submerged-arc welding applicable also for welding in protective CO₂ atmosphere ("SUM" apparatus shown in Photo 2), when they have a modified headpiece for a sufficient CO₂ supply to both, the welding bath and the melting electrode. The modified headpiece contains an adjuster through which electrodes with diameters of 1.2, 1.6, 2 or 2.4 mm are continuously fed to the tip, and a connection for a CO₂ gasline, the flow of which is directed by a

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Welding of Low-Carbon Steels in Protective Carbon Dioxide Atmosphere

nozzle. An insulating ring and lining provide for separation of the electric elements. The "T 350" torch for welding with a tungsten electrode in argon atmosphere (Photo 3) can also easily be adjusted for semiautomatic arc welding in CO2 atmosphere. Electrodes used in the USSR for welding low-carbon steel sheets have the following composition: up to 0.1% C; 0.6 - 0.85% SI; 1.4 - 1.7% Mn; less than 0.03% Al; up to 0.03% S; up to 0.035% P; up to 0.2% Cr; up to 0.25% Ni; and up to 0.25% Cu. Electrodes used for the welding of thick metal sheets (eventually of steel alloy) have the following composition: up to 0.1% C, 0.75 - 0.95% Si; 1.8 - 2.1% Mn; and with Al, S, P, Cr, Ni and Cu percentages similar to those in the above listed electrode. The "VZKG" Combine in Ostrava started the production of electrodes 1.6 mm in diameter which have the following composition: 0.12% C; 1.26% Mn; 0.91% Si; 0.021% P; 0.012% S; 0.14% Cu; 0.09% Ni; and 0.17% Cr. The CO2 used must have a minimum purity of 99.7%. The N content CO2 used in the USSR contains approximately 0.05 - 0.1% water, while CO2 used in the CSR can contain as much as 0.4% water. The welding speed depends on the current intensity, the speed of the electrode feed on its diameter. The dependence of the welding current on the electrode-feed ratio is shown in Figure 4. A current of 450 amp is achieved with a 2.4 mm electrode fed

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2/031/60/000/009/002/002 A205/A026

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at a rate of 3 m/min or with a 1.6 mm electrode fed at a minimum rate of 8 m/min. The welding current influences chiefly the width and depth of the weld. The longer the arc, the shallower is the heat penetration. The relation between the welding output (deposit in kg/h) and on the feed ratio of 1.6 and 2.4 mm electrodes is shown in Figure 5. At constant feed, losses by spraying and evaporation are decreasing with increasing welding current, but increasing with increasing arc tension. Successful test welds in protective CO₂ atmosphere with good (Photo 6) and a fillet weld (Photo 7). In conclusion, the author lists several advantages and disadvantages of welding in protective CO₂ atmosphere. There are

ASSOCIATION: Výzkumný ústav svařovacích strojů a technologie svárování (Research Institute for Welding Machines and Welding Technology) in Prague

Card 3/3

KRIZ, V.

Hydrological problems of the World Meteorological Organization. Meteorolog sprawy 15 no.5:143-144 0 '62.

1. Hydrometeorologicky ustav, Ostrava.

HCRRY, Indialcy, rat; Khi?, Vladialay, promovany account

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International Hydrological Decade. Meteor sprayy 17 no.5: 156-158 0 '64.

1. Hydrometeorological Institute, Prague; Hydraulic Research Institute, Prague.

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1. Hydrometeorological Institute, Ostrava (for Kriz). 2. Research Institute of Water Resources Management, Prague (for Vasa).

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1. Research Institute of Fuels, Bochovice.

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The development of subcutaneous fat in preschool children. Cesk. podiat. 15 no.3:215-218 Mr 160.

1. Katedra farmakologie a patologicko fyziologie fakulty detskeho lekarstvi v Praze. Oddeleni patologicke fyziologie, vedouci oddeleni doc. dr. Zelenka. (ADIPOSE TISSUE in infancy & childhood)

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BAIULESCU, Gh.; KRIZA, A.

Gravimetric determination of Zr(IV) with Orange II. Studii cerc chim 8 no.3:541-543 '60. (ERAI 10:9)

1. Laboratorul de chimie anorganica si analitica al Facultatii de chimie, Universitatea "C. I. Parhon", Bucuresti.

(Zirconium) (Hydroxynaphthylazobensenesulfonic acid sodium salt)

SPACU, Petru; BREZEANU, M.; KRIZA, A.

New syntheses in the chemistry of complex compounds. II.Complex compounds of cobalt(III) with dioxime. Studii cerc chim 9 no.1:149-158 161. (EEAI 10:9)

1. Laboratorul de chimie anorganica al Universitatii "C. I. Parhon", Bucuresti. 2. Comitetul de redactie, STUDII SI CERCETARI DE CHIMIE (for Spacu).

(Complex compounds) (Cobalt) (Oximes)

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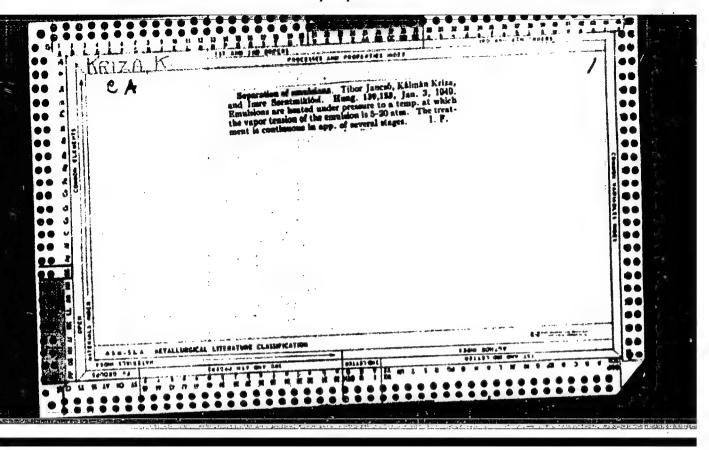
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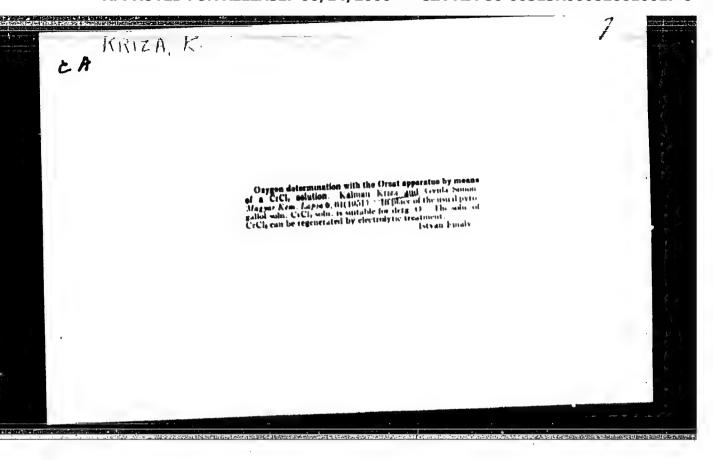
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(THROMBOPLASTIN) (HEMORRHAGE)





KRIZAJ, Stefan

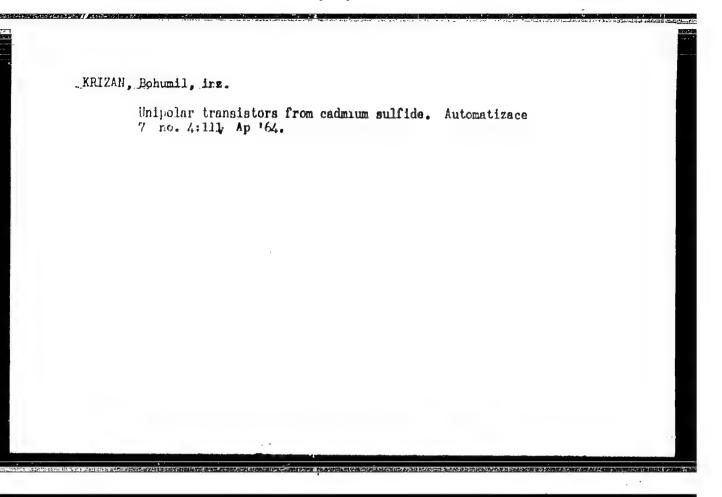
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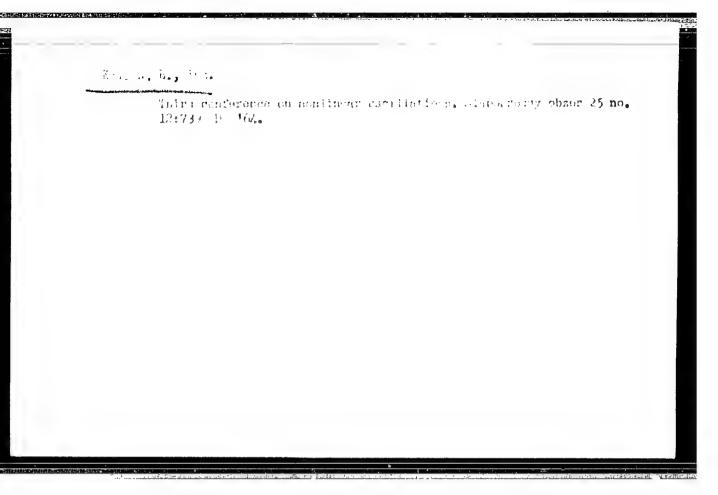
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l. Odjel za fiziologiju Instituta za morfologiju i fiziologiju Veterinarskog fakulteta u Zagrebu.



Analog computers for chemistry. Slaboproudy obzer 25 no.6:374-375 Je 164.



ACC NR: AP6010962

SOURCE CODE: CZ/0080/65/000/004/0100/0101

AUTHOR: Krizan, B, (Engineer); Kotva, M. (Engineer); Sedmidubsky, Z. (Engineer); Stanek, M. (Engineer)

ORG: none

TITLE: Characteristics of the AP-S and MEDA 20TS differential analyzers

SOURCE: Automatizace, no. 4, 1965, 100-101

TOPIC TAGS: digital differential analyzer, electronic component, computer programming

ABSTRACT: The components of these two differential analyzers are listed in a comparative type of table. The parameters of the components are given, and the applications, method of programming, general parameters and present status of installation in Czechoslovakia are given for the analyzers. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 09 / SUBM DATE: none

APPROVED FOR RELEASE: 06/14/2000

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KRIZAN, J.

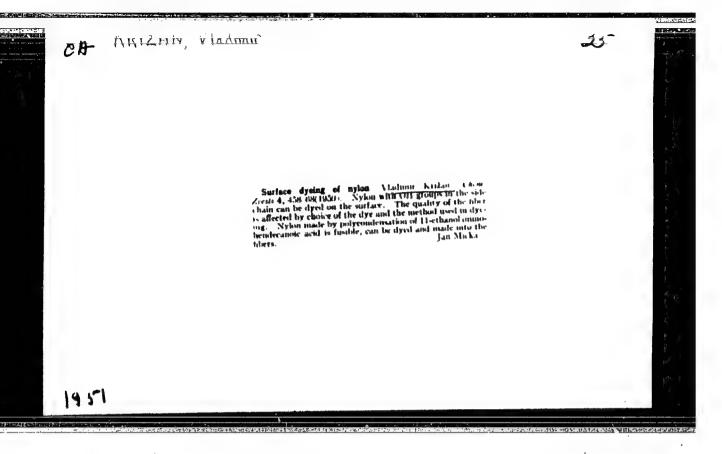
Prefabricated roofing for a one-storey industrial workshop. p. 262. INZENYRSKE STAVBY. Praha. Vol. 2, no. 7, July 1954.

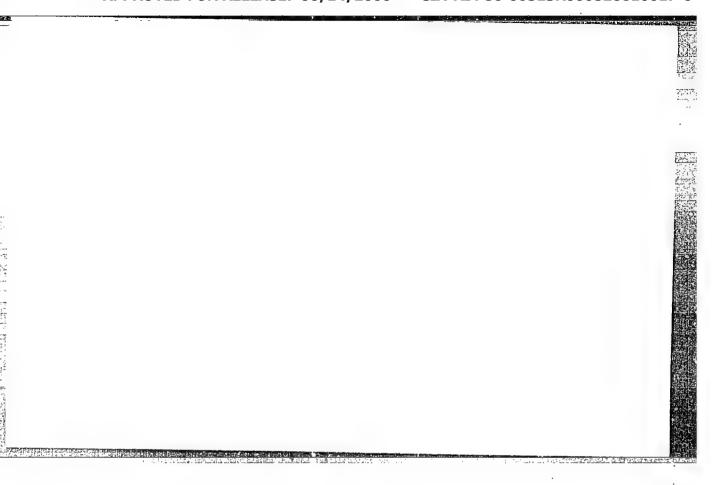
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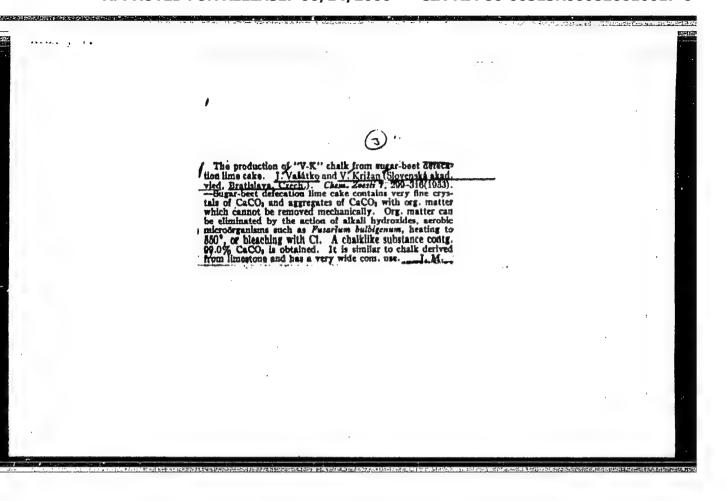


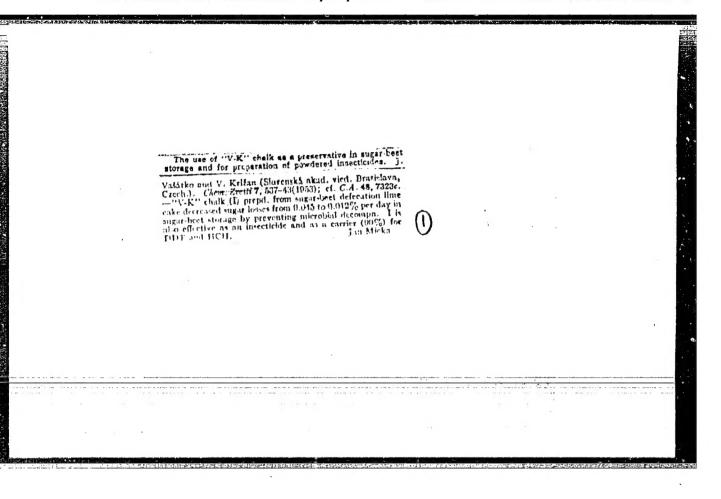
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1. Of the Institute of Industrial Medicine, Ostrava.





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